

EXHIBIT "A"
DIVISION ORDER NO. SWD-459

- (A) The subject well shall not be used for commercial disposal;
- (B) Daily injected volume shall not exceed 750 barrels;
- (C) Operator shall run a cement bond log from PBTD to cement top to assure adequate zone isolation;
- (D) Operator shall run a injection tracer survey subsequent to perforating and acidizing injection zone;
- (E) Operator shall furnish copies of cement bond log and tracer survey to Neal & Neal, P.C. and to Division;
- (F) Operator shall furnish copies of C-120-A to Neal & Neal, P.C. monthly;
- (G) Operator shall conduct an annular pressure test semi-annually utilizing Division testing guidelines.

AVRA OIL COMPANY
P.O. Box 3193
Midland, TX 79702
(915) 682-4866

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, NM 87501
DEC 4 1991

December 4, 1991

Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Re: Application for Water Disposal Well, Forrest A, Well #1, Sec. 11-18S-38E

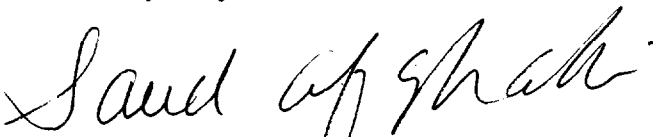
Gentlemen:

Enclosed is Application Package for the above mentioned well:

1. Form C-101
2. Form C-102
3. Form C-108 with attachment information
4. Injection Well Data Sheet with Schematic Attached
5. Laboratory Water Analysis of Well in Area
6. Plugging Report (previous Operator, R. G. McPheron)
7. Map of wells located within two mile radius of project area
8. Log of well
9. Proof of Notice to Surface Owner and each leasehold owner within 1/2 mile
10. Proof of publication in newspaper of general circulation in Lea County

Your prompt attention to approving this application is greatly appreciated.
Any questions should be directed to the undersigned at the address on this letterhead.

Yours very truly,


Saeed Afghahi, President

Enclosures

cc: Oil Conservation Commission
P. O. Box 1980
Hobbs, NM 88240

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER water disposal well SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Forrest A	
2. Name of Operator Avra Oil Company		9. Well No. 1	
3. Address of Operator P. O. Box 3193, Midland, TX 79702		10. Field and Pool, or Wildcat Bishop Canyon San Andres	
4. Location of Well UNIT LETTER A LOCATED 330 FEET FROM THE East LINE AND 990 FEET FROM THE North LINE OF SEC. 11 TWP. 18S RGE. 38E NMPM		12. County Lea	
19. Proposed Depth 5055		19A. Formation San Andres	
21A. Kind & Status Plug. Bond Single Well		22. Approx. Date Work will start ASAP	
21. Elevations (Show whether DF, RT, etc.) 3651 GR		20. Rotary or C.T.	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8 5/8"	24	335	225	Surface
7 7/8"	5 1/2"	15.5 & 17.0	5055	450	1900

1. Cut dry hole marker, install 8 5/8" wellhead
2. Drill out surface plug, install B.O.P.
3. Drill out second plug @ 2070 to 2150
4. Drill out third plug @ 3100 to 3180
5. Drill out last plug @ 4840 to 5055
6. Perforate San Andres formation from 4852-4908'
7. All 5 1/2" and 8 5/8" casing left in place (see plugging report attached)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Sand Title President Date 12/4/91

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

All distances must be from the outer boundaries of the Section.

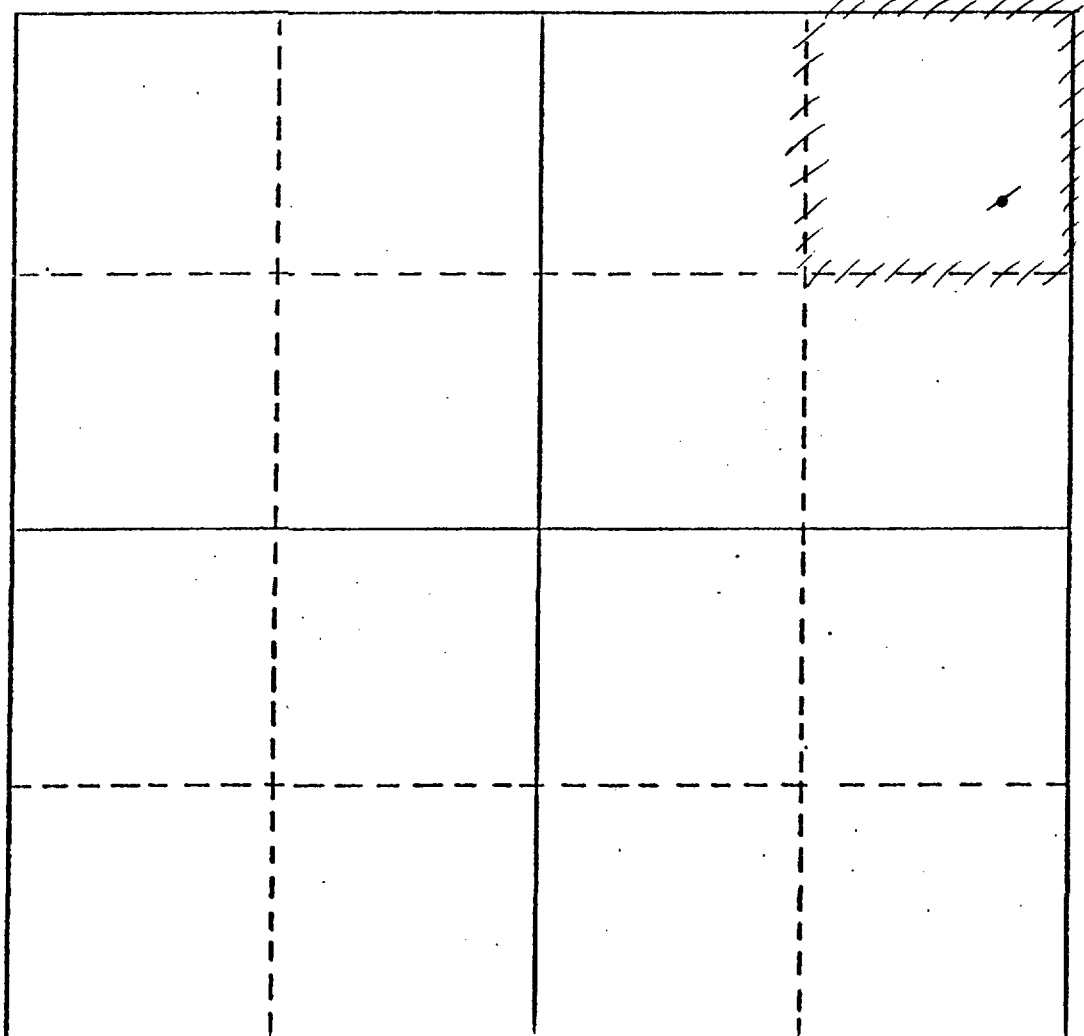
Operator Avra Oil Company		Lease Forrest A		Well No. 1
Unit Letter A	Section 11	Township 18 South	Range 38 East	County Lea
Actual Footage Location of Well: 330 feet from the East line and 990 feet from the North line				
Ground Level Elev. 3651	Producing Formation San Andres	Pool Bishop Canyon San Andres	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) N/A

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *Samuel A. [Signature]*

Position
President

Company
Avra Oil Company

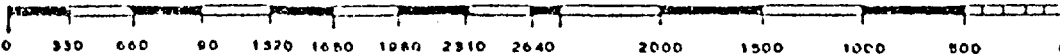
Date
12/4/91

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Avra Oil Company
Address: P. O. Box 3193, Midland, TX 79702
Contact party: Saeed Afghahi Phone: (915) 682-4866
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: SAEED AFGHAMI Title: PRESIDENT
Signature: Saeed Afghahi Date: 12-5-1991
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

AVRA OIL COMPANY

P.O. Box 3193
Midland, TX 79702
(915) 682-4866

FORM C-108 INFORMATION

ITEM III-

A. Well Data (Schematic attached)

1. Forrest A, Well No. 1, Sec. 11, TWP 18S, Rge 38E, 330 FEL and 990 FNL.
2. 8 5/8" Casing set at 335' w/225 sx, 11" hole size, circulated to Surface
5 1/2" Casing set at 5055' w/450 sx, 7 7/8" hole size, calculated top at 1900'
3. 2 3/8" plastic coated tubing to be set at 4800'
4. Baker Lockset Packer to be set at 4800'

B. Well Data for Initial Well (only well)

1. Injection formation is Bishop Canyon San Andres
2. The injection intervals are to be perforated from 4852-4908'
3. This is a re-entry into a previously plugged well (plugging report attached)
4. Not applicable
5. Depth of next higher formation is the Queen Sand at 4100'
No known lower formation of production

ITEM IV-

This is a new project

ITEM V-

See attached map of wells located within two miles of proposed injection well with a 1/2 mile radius circle drawn around the proposed well.

ITEM VI-

Tabulation of Data on all wells of Public Record within the area of review:
is attached.

ITEM VII-

1. Proposed average daily rate is 400 barrels; maximum daily rate is 2000 barrels
2. System is closed
3. Proposed average injection pressure is zero; Maximum pressure will not exceed the limits as set forth by the Oil Conservation Division
4. Source of injection fluid is produced water from San Andres formation which is compatible with the receiving formation as it is the same
5. Not Applicable

ITEM VIII-

The geological name is San Andres, Dolomite Sand, 30 feet of thickness.
The depth of fresh water is at 300 feet which is protected by 8 5/8" surface casing.
There is no source of drinking water known to be immediately underlying the

injection interval of 4850–4880 feet.

ITEM IX–

Stimulation program will consist of acidizing with 500 gallons 15% HCL NEFE.

ITEM X–

Log Attached

ITEM XI–

Chemical Analysis of fresh water from area well, not water well as there are none in the area. This analysis is for Williams Well No. 1, operated by Avra Oil Co. and analysis for Unit N SE 2–T18–R38 operated by Avra Oil Co.

ITEM XII–

We affirm that we have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

ITEM XIII–

Proof of Notice of publication in newspaper of general circulation in Lea County is attached.

Surface Owners notified by registered mail:

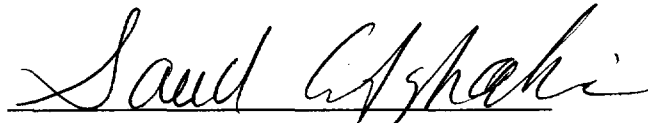
Charlcia A. Taylor, 1501 N. Seminole Hwy, Hobbs, NM 88240
X–Pert Well Service, Inc., 2625 W. Marland Blvd., Hobbs, NM 88240
A. H. Hughes, 2801 W. Kansas, Hobbs, NM 88240

Offset Operators notified by registered mail:

E. T. Operator, P. O. Box 1100, Hobbs, NM 88240, Attn: W. R. Ericksen
Beach Exploration, Inc., 800 N. Marienfeld, Suite 200, Midland, X 79701, Attn: Barbara Watson

ITEM XIV–

I hereby certify that the information submitted in this application is true and correct to the best of my knowledge and belief.


Saeed Afghafi, President

12-5-1991
Date

INJECTION WELL DATA SHEET

Avra Oil Company

Forest A Lease

OPERATOR		LEASE		
1	330 FEL and 990 FNL	11	18S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

(see attached schematic)

Tabular DataSurface CasingSize 8 5/8 " Cemented with 225 sx.TOC Surface feet determined by CirculatedHole size 11"Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long stringSize 5 1/2 " Cemented with 450 sx.TOC 1900 feet determined by EstimatedHole size 7 7/8"Total depth 5055Injection interval4852 feet to 4908 feet
(perforated or open-hole, indicate which)Tubing size 2 3/8" lined with plastic coated set in a
(material)Baker Lockset packer at 4800 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation San Andres2. Name of Field or Pool (if applicable) Bishop Canyon San Andres3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? originally drilled as a producing oil well which has been subsequently plugged

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

(see attached plugging report)

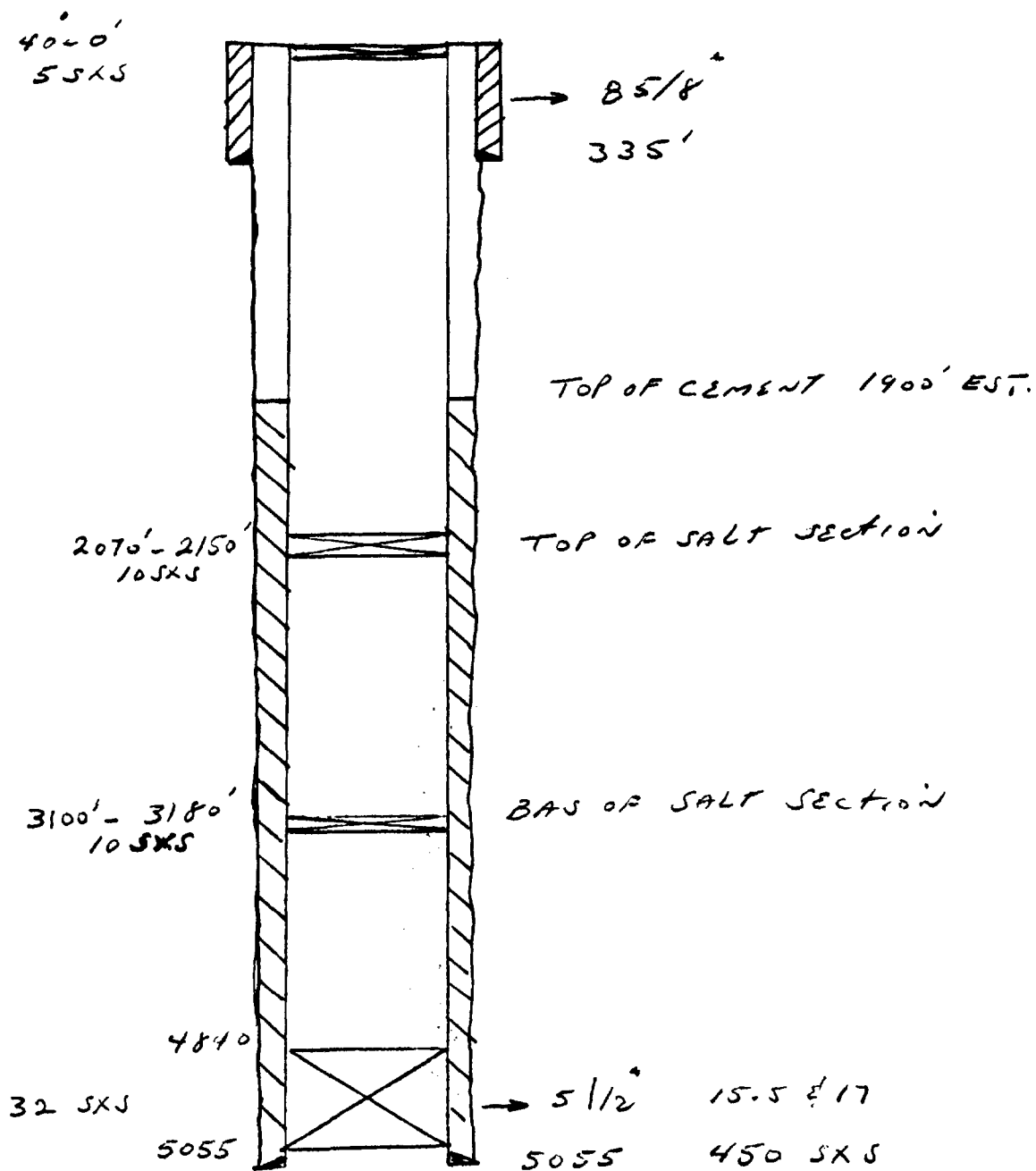
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Queen Sand at 4100'

R.G. McPHERSON

FORREST A NO. 1 WELL

NE/4 OF NE/4 Sec. 11, T-18S, R 38E

990 FNL & 330 FEL



WATER ANALYSIS REPORT

Company : AVRA OIL CO.
 Address :
 Lease :
 Well : UNIT N SE2-T18 R38
 Sample Pt. : 5704 GREENWOOD PL

Date : 12-3-91
 Date Sampled : 12-2-91
 Analysis No. : 919

ANALYSIS		mg/L	* meq/L	
-----		----	-----	
1.	pH	7.3		
2.	H2S	NEG		
3.	Specific Gravity	1.000		
4.	Total Dissolved Solids	526.7		
5.	Suspended Solids			
6.	Dissolved Oxygen			
7.	Dissolved CO2			
8.	Oil In Water			
9.	Phenolphthalein Alkalinity (CaCO3)			
10.	Methyl Orange Alkalinity (CaCO3)	176.0		
11.	Bicarbonate	HCO3 214.7	HCO3	3.5
12.	Chloride	Cl 121.7	Cl	3.4
13.	Sulfate	SO4 50.0	SO4	1.0
14.	Calcium	Ca 94.2	Ca	4.7
15.	Magnesium	Mg 33.3	Mg	2.7
16.	Sodium (calculated)	Na 12.7	Na	0.6
17.	Iron	Fe 0.1		
18.	Barium	Ba 0.0		
19.	Strontium	Sr 0.0		
20.	Total Hardness (CaCO3)	372.3		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt X meq/L		= mg/l
+-----+		-----	-----		-----
5	*Ca <----- *HCO3	Ca(HCO3)2	81.0	3.5	285
	/----->	CaSO4	68.1	1.0	71
3	*Mg -----> *SO4	CaCl2	55.5	0.1	8
	<-----/	Mg(HCO3)2	73.2		
1	*Na -----> *Cl	MgSO4	60.2		
		MgCl2	47.6	2.7	130
Saturation Values Dist. Water 20 C		NaHCO3	84.0		
	CaCO3 13 mg/L	Na2SO4	71.0		
	CaSO4 * 2H2O 2090 mg/L	NaCl	58.4	0.6	32
	BaSO4 2.4 mg/L				

REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted,
 ROZANNE JOHNSON

WATER ANALYSIS REPORT

Company : AVRA OIL CO.
 Address :
 Lease :
 Well : UNIT I SE2-T18 R38
 Sample Pt. : 1507 ROSE RD.

Date : 12-3-91
 Date Sampled : 12-2-91
 Analysis No. : 918

ANALYSIS		mg/L		* meq/L
1. pH	7.0			
2. H2S	NEG			
3. Specific Gravity	1.005			
4. Total Dissolved Solids		1322.2		
5. Suspended Solids				
6. Dissolved Oxygen				
7. Dissolved CO2				
8. Oil In Water				
9. Phenolphthalein Alkalinity (CaCO3)				
10. Methyl Orange Alkalinity (CaCO3)		219.0		
11. Bicarbonate	HCO3	267.2	HCO3	4.4
12. Chloride	Cl	344.3	Cl	9.7
13. Sulfate	SO4	300.0	SO4	6.2
14. Calcium	Ca	253.7	Ca	12.7
15. Magnesium	Mg	22.4	Mg	1.8
16. Sodium (calculated)	Na	134.2	Na	5.8
17. Iron	Fe	0.4		
18. Barium	Ba	0.0		
19. Strontium	Sr	0.0		
20. Total Hardness (CaCO3)		725.7		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	=	mg/l
13 *Ca <----- *HCO3	Ca(HCO3)2	81.0	4.4	355
----- /----->	CaSO4	68.1	6.2	425
2 *Mg -----> *SO4	CaCl2	55.5	2.0	113
----- <----- /	Mg(HCO3)2	73.2		
6 *Na -----> *Cl	MgSO4	60.2		
	MgCl2	47.6	1.8	88
Saturation Values Dist. Water 20 C	NaHCO3	84.0		
CaCO3 13 mg/L	Na2SO4	71.0		
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4	5.8	341
BaSO4 2.4 mg/L				

REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted,
 ROZANNE JOHNSON

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-83

SUNDRY NOTICES AND REPORTS ON WELLS <small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT - (FORM C-101) FOR SUCH PROPOSALS.)</small>		5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>																
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. State Oil & Gas Lease No.																
2. Name of Operator R. G. McPherson		7. Unit Agreement Name																
3. Address of Operator P. O. Box 176, Hobbs, New Mexico 88240		8. Farm or Lease Name Forrest A																
4. Location of Well UNIT LETTER A , 330 FEET FROM THE E LINE AND 990 FEET FROM THE N LINE, SECTION 11 TOWNSHIP 18S RANGE 38E N.M.P.M.		9. Well No. 1																
11. Elevation (Show whether DF, RT, GR, etc.) GR 3651		10. Field and Pool, or Wildcat Bishop Canyon San Andres																
12. County Lea		13. Date 6-1-72																
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data <table border="0"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK <input type="checkbox"/></td> <td>PLUG AND ABANDON <input checked="" type="checkbox"/></td> <td>REMEDIAL WORK <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>TEMPORARILY ABANDON <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>COMMENCE DRILLING OPNS. <input type="checkbox"/></td> <td>PLUG AND ABANDONMENT <input checked="" type="checkbox"/></td> </tr> <tr> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>OTHER <input type="checkbox"/></td> <td>CASING TEST AND CEMENT JOBS <input type="checkbox"/></td> <td></td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
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TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>															
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>																
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.																		

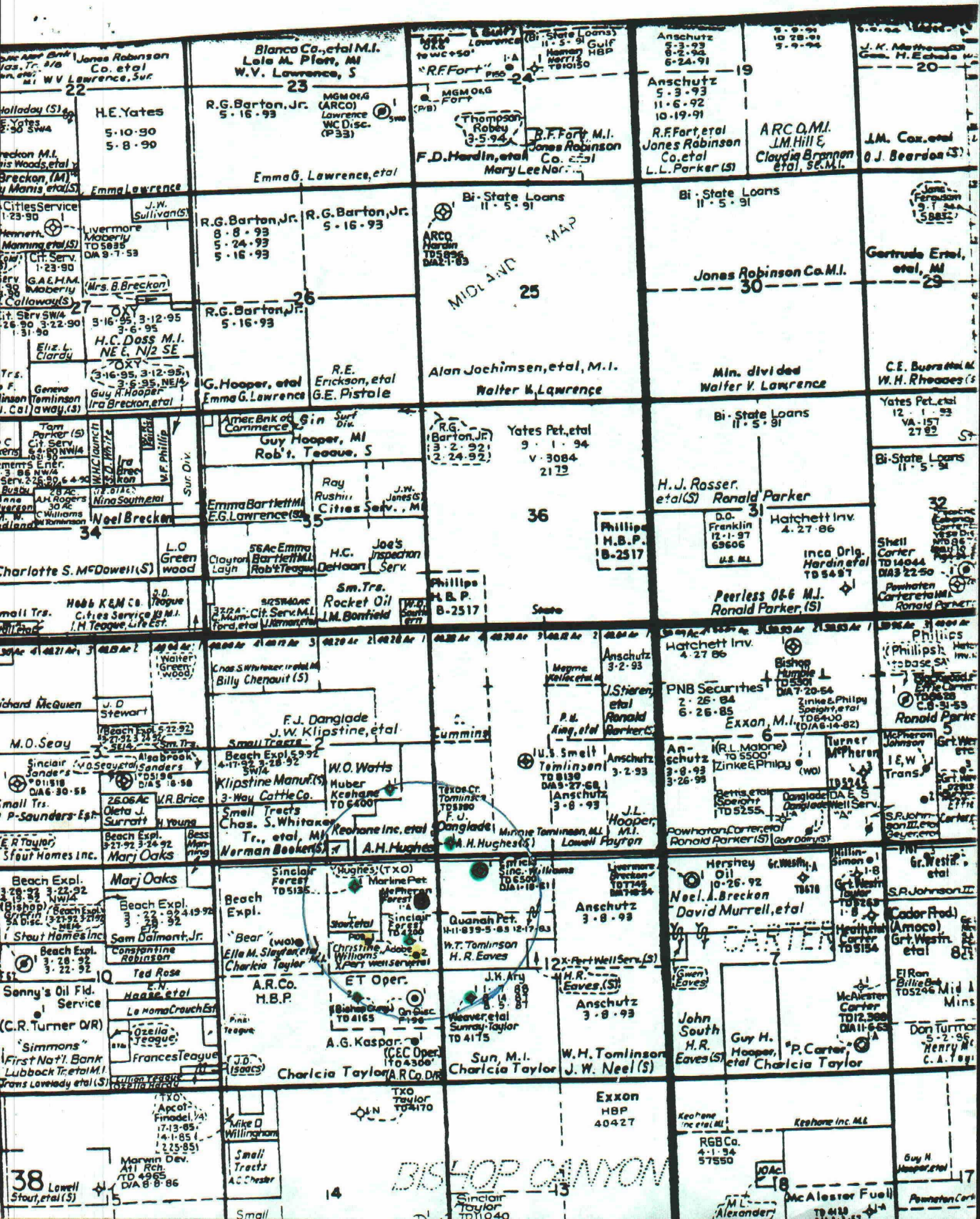
Set plug in 5 1/2" csg. from 4840 to 5055 W/32 sks. cement. At base of salt from 3100 to 3180 W/10 sks. cement, at top of salt from 2070 to 2150 W/10 sks. cement, from 40' to surface W/5 sks. cement. All intervals between cement plugs filled with mud. 4" x 4' marker placed on surface. All 5 1/2" and 8 5/8" csg. left in place. All equipment including pumping unit, tanks, heater treaters, flow lines and anchors removed, pits filled.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *James Woodard* TITLE Agent DATE June 15, 1972

APPROVED BY *Nathan E. Olegg* TITLE OIL & GAS INSPECTOR DATE JUN 21 1972

CONDITIONS OF APPROVAL, IF ANY:



C-108 ITEM VI

PRODUCING WELLS

BISHOP CANYON AREA

Avra Oil Company
Williams No. 1
Sec. 11, T-18-S, R-38-E
1980' FNL & 1660' FEL, Unit G
Lea County, New Mexico
Spud Date: 6/26/81
Completion Date: 10/18/81
Total Depth: 5100'
Bishop Canyon (San Andres) Field
Casing: 8-5/8" @ 369', 300 sx
4-1/2" @ 5100', 2700 sx
Producing Zone: San Andres
Perfs: 4860-4876'
IPP: 109 BOPD & 109 BW, Gvty: 27 API
Acidized w/ 250 gals

Avra Oil Company
Williams No. 2
Sec. 11, T-18-S, R-38-E
2310' FNL & 560' FEL, Unit H
Spud Date: 1/9/82
Completion Date: 4/29/82
Total Depth: 5100'
Bishop Canyon (San Andres) Field
Casing: 8-5/8" @ 318', 225 sx
4-1/2" @ 5100', 350 sx
Producing Zone: San Andres
Perfs: 4863-4873'
IPP: 20 BOPD & 120 BW, Gvty: 27 API
Acidized w/ 200 gals

ET Operating Company
Mrs. Charleia A. Taylor No. 1
Sec. 11, T-18-S, R-38-E
1980' FSL & 660' FEL, Unit I
Spud Date: 10/14/56
Completion Date: 12/10/56
Total Depth: 6480'
PBSD: 4272'
Bishop Canyon Queen Field
Casing: 13-3/8" @ 341', 350 sx
5-1/2" @ 4272', 400 sx
Producing Zone: Queen
Perfs: 4108-4116'
IPF: 196 BOPD on 1/4" choke
Acidize w/ 250 gals
Sand frac 6000# of sand

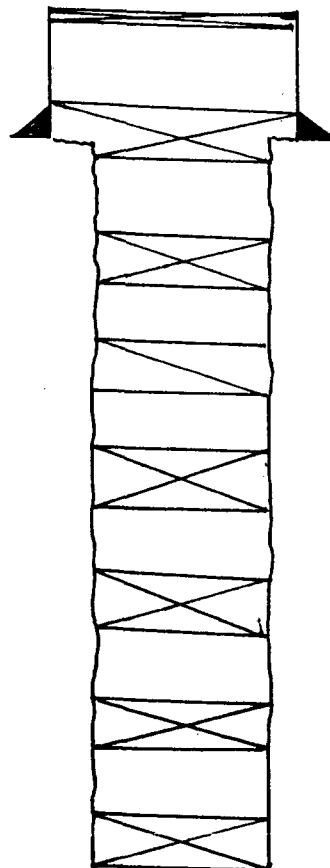
C-108 ITEM VI
PLUGGED WELL

Sinclair-Williams
Well No. 1

Location: Sec. 12, T-18-S, R-38-E
990' FWL & 330' FNL, Unit D
Lea County, New Mexico

Operator: Robert N. Enfield
Field: Wildcat
Spud Date: 12/21/60
Plugging Date: 1/18/61
Total Depth: 6500'
Casing: 8-5/8" @ 353', 250 sx

OK



PLUG @ SURFACE 10 SXS

PLUG @ 353' 25 SXS

PLUG @ 2000' 20 SXS

PLUG @ 3300' 20 SXS

PLUG @ 4100' 20 SXS

PLUG @ 4900' 20 SXS

PLUG @ 6200' 20 SXS

PLUG @ 6500' 20 SXS

C-108 ITEM VI

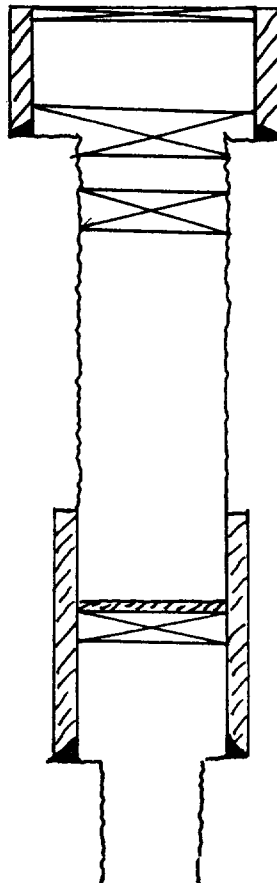
PLUGGED WELL

Tom Linson
Well No. 1

OK

Location: Sec. 1, T-18-S, R-38-E
330' FSL & 330' FWL, Unit M
Lea County, New Mexico

Operator: Texas Crude, Inc.
Field: Bishop Canyon (San Andres)
Perfs: 5245-5261'
Reperfs: 5198-5224'
Reperfs: 5315-5380' (OH)
Spud Date: 12/23/73
Plugging Date: 7/19/73
Total Depth: 5315'
Casing: 8-5/8" @ 369', 250 sx
4-1/2" @ 5315', 450 sx



SURFACE PLUG @ 30'-0' 10 SX S

PLUG @ 420'-260' 50 SX S

PLUG @ 800'-700' 35 SX S

SHOT 4 1/2" CSG @ 4000'

C.I.B.P. @ 5142' & 2 SX S

5315
O.H. 5380

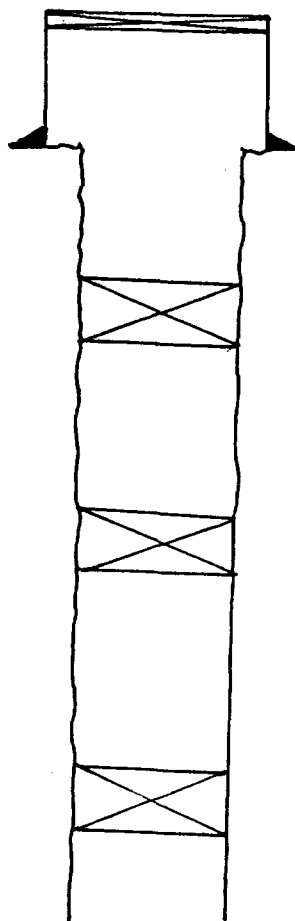
C-108 ITEM VI
PLUGGED WELL

(Pearl) Forest
Well No. 1

Location: Sec. 11, T-18-S, R-38-E
1980' FEL & 660' FNL, Unit B
Lea County, New Mexico

Operator: Bishop Canyon Uranium Corp.
Field: Bishop Canyon Queen
Perfs: Dry hole
Spud Date: 5/10/57
Plugging Date: 5/28/57
Total Depth: 5137'
Casing: 8-5/8" @ 319', 250 sx

of Sacks?



PLUG @ SURFACE 10'-0'

PLUG @ 2050 - 2000'
14 SX Calculated

PLUG @ 3200 - 3150'
14 SX Calculated

PLUG @ 4300 - 4860' 10 SX Calculated

T.D. 5137'

C-108 ITEM VI

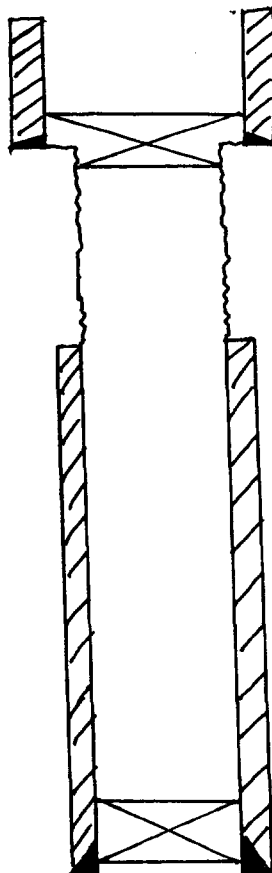
PLUGGED WELL

Pearl Forest
Well No. 1

Location: Sec. 11, T-18-S, R-38-E
1980' FNL & 660' FEL, Unit H
Lea County, New Mexico

Operator: Sinclair Oil & Gas Company
Field: Undesignated
Perfs: (Queen) 4084-4180'
Spud Date: 4/16/57
Plugging Date: 7/2/57
Total Depth: 4200'
Casing: 10-3/4" @ 306', 275 sx
7" @ 4200', 200 sx

OK



4" MARKER

PLUG @ 320'-280'

SHOT OFF 7" CSG @ 1176'
PLUG @ 1200'-1150' 15 SX5

PLUG @ 4195'-4060' 25 SX5

C-108 ITEM VI

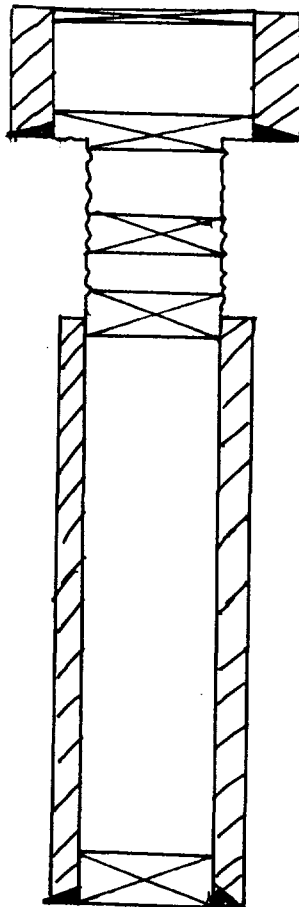
PLUGGED WELL

Mrs. Charleia A. Taylor
Well No. 2

Location: Sec. 11, T-18-S, R-38-E
1980' FSL & 1980' FWL, Unit J
Lea County, New Mexico

Operator: W. R. Weaver
Field: Bishop Canyon-Queen
Perfs: 4107-4118'
Spud Date: 7/7/57
Plugging Date: 8/30/57
Total Depth: 4165'
Casing: 8-5/8" @ 342.92', 200 SX
5-1/2" @ 4164.41', 400 SX

OK



PLUG @ SURFACE 10 SX S

PLUG @ 342.92' 25 SX S

PLUG @ 2000' 25 SX S

SHOT OFF 5 1/2" CSG @ 2700'

PLUG @ 2700' 25 SX S

PLUG @ 4165' 25 SX S

C-108 ITEM VI

PLUGGED WELL

Sunray-Taylor
Well No. 1

Location: Sec. 12, T-18-S, R-38-E
1980' FSL & 660' FWL, Unit G
Lea County, New Mexico

Operator: W. R. Weaver

Field: Bishop Canyon

Spud Date: 12/12/56 Perfs: (Queen) 4108-4135'

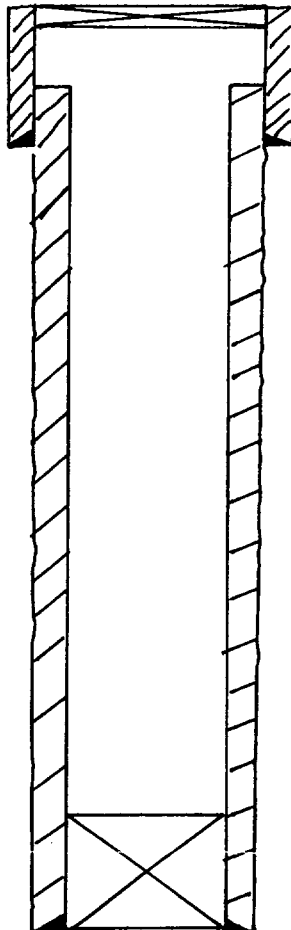
Plugging Date: 11/23/57

Total Depth: 4159'

Casing: 8-5/8" @ 280', 200 sx

5-1/2" @ 4159', 400 sx around shoe

D.V. @ 2100', 400 sx above D.V. tool



PLUG @ SURFACE 10 SXS
BACKED OFF 5 1/2" CSG @ 220'

PLUG @ 4159' - 3859' 40 SXS

C-108 ITEM VI

PLUGGED WELL

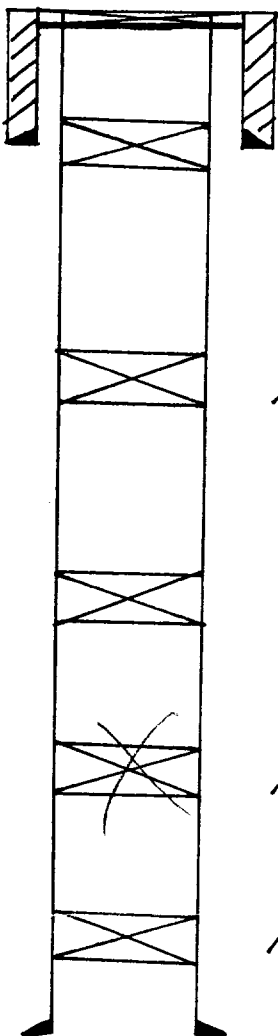
B. M. Keohane
Well No. 1

Location: Sec. 2, T-18-S, R-38-E
1650' FSL & 990' FEL, Unit I
Lea County, New Mexico

OK

Operator: J. M. Huber Corporation
Field: Wildcat
Perfs: 5428-30', 5354-5428', 5354-5430', 5303-90'
Spud Date: 5/22/60
Plugging Date: 6/16/60
Total Depth: 6405'
Casing: 4-1/2" @ 5539', 125 sx

Surface casing
8 5/8" casing
at 345'
w/ 200 sx
into surface



SURFACE PLUG 15 SXs
8 5/8" RECORD NOT AVAILABLE

PLUG @ 356' - 256' 25 SXs

PLUG @ 1875' - 1775' ~~25~~ SXs
50

PLUG @ 3000' - 2900' ~~25~~ SXs
50

PLUG @ 4700' - 4600' 25 SXs

PLUG @ 5309' - 5100' ~~35~~ SXs
50



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

RECEIVED

91 DEC 12 AM 8 55

12-9-91

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL _____
NSP _____
SWD ☒ _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Anra Oil Co. Forrest A #1-A 11-18-38
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK JS

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed

'91 DEC 19 AM 8 55



AVRA OIL COMPANY

December 16, 1991

Mr. A. H. Hughes
2801 W. Kansas
Hobbs, NM 88240

Dear Mr. Hughes:

We have received your attorneys objection letter to our application for a disposal well. I would like to take this opportunity to explain our situation. Avra Oil Company is a very small operator of oil and gas leases in Texas and New Mexico. We respect the landowners right and privileges and we appreciate their concern about protecting their fresh water rights. We have no intention whatsoever to damage or contaminate the fresh water tables under everyones land.

The economics of producing our Williams lease dictates the necessity of having a disposal well. As you may know, our Williams No. 1 and No. 2 wells are producing substantial amounts of water each day. Unfortunately, as of December 1, 1991, The State Corporation of New Mexico has increased our water hauling charge by 33 cents per barrel. Our water hauler Scurlock-Permian. You can verify our sttement by calling them in Hobbs. Therefore, with substantial increased in our water hauling cost, our lease is uneconomical to operate.

At this point, let us explain why the chances of contaminating your fresh water table is very slim.

- 1) Surface casing is set at least 50-100' below the fresh water table, casing set between 350-400' from surface in surrounding wells (all producing and plugged wells) and cement is circulated to the surface, therefore protecting the fresh water.
- 2) A packer is run at the end of the tubing and set to isolate the production casing from the water being injected to eliminate any corrosion and the possibility of any holes in the casing. A conservation commission representative is present when the packer is being run in the hole.
- 3) After the packer is set, operator is obligated to pressure test the casing (casing integrity test) to make certain that there is no hole in casing.
- 4) An annual casing integrity test is required by the Oil Conservation Commission of New Mexico. If an operator does not pass this test, the injection will be halted immediately.

Mr. A. H. Hughes
December 16, 1991
Page 2

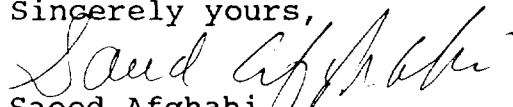
You can verify all the above statements by contacting Mr. David Catanach, Underground Water Injection Supervisor in Santa Fe at (505)827-5807.

Mr. Hughes, we hope that we have answered some of the questions that you may have been concerned about and we will be happy to answer any additional questions you may have. Please call us at (915)682-4866. We will be glad to answer any questions to you or your attorney, Mr. J.W. Neal.

If you are satisfied with our explanation, please have your attorney to withdraw your objection to our application for a disposal well.

Thank you for your consideration and understanding in regard to our difficulty concerning having a disposal well.

Sincerely yours,


Saeed Afghahi
President - Avra Oil Company

cc: Neal & Neal, P.C.
Attorneys At Law
P. O. Box 278
Hobbs, NM 88241-0278

Oil Conservation Division
Mr. Jerry Sexton
P. O. Box 1980
Hobbs, NM 88241

Mr. David Catanach
Oil Conservation Commission
P. O. Box 2988
Santa Fe, NM 87504

Mr. Tony Knott
Trustee of Joy Knott
P.O. Box 5832
Hobbs, NM 88241



NEAL & NEAL, P.C.

Attorneys at Law

Neal Building, P.O. Box 278
Hobbs, New Mexico 88241-0278
Telephone 505-397-3614
Fax 505-393-7405

C. Melvin Neal (1907-1968)
J. W. Neal

OIL CONSERVATION DIVISION
RECEIVED
91 DEC 14 PM 8 42

December 10, 1991

Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Application for Water Disposal Well,
Forrest A, Well #1, Section 11, 18S, 38E

Gentlemen:

Enclosed herewith please find Objection to Application for
Water Disposal Well for filing in the above matter.

Very truly yours

J. W. Neal

JWN/b
Encl.

cc: Oil Conservation Division
Post Office Box 1908
Hobbs, New Mexico 88241
cc: Avra Oil Company
Post Office Box 3193
Midland, Texas 79702
cc: Mr. A. H. Hughes
2801 West Kansas
Hobbs, New Mexico 88240
cc: Tony Knott, Trustee of Joy Knott Trust
Post Office Box 5832
Hobbs, New Mexico 88241

BEFORE THE OIL CONSERVATION DIVISION
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF AVRA OIL COMPANY FOR DISPOSING
OF PRODUCED WATER.

OBJECTION TO APPLICATION FOR WATER DISPOSAL WELL
KNOWN AS THE FORREST A NO. 1 IN
SECTION 11, TOWNSHIP 18 SOUTH, RANGE 38 EAST

COME NOW A. H. Hughes, J. W. Neal, and Tony Knott, Trustee of Joy Knott Trust, of Hobbs, Lea County, New Mexico, and objects to the Application for a permit to operate a water disposal well by Avra Oil Company, Post Office Box 3193, Midland, Texas 79702, and for grounds thereof, state:

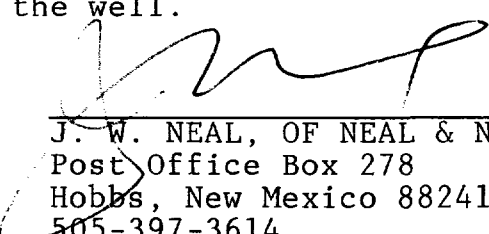
1. That protestants are the owners of property immediately adjacent to the location proposed to be used for a water disposal well.
2. That protestant A. H. Hughes is the owner of water rights in Sections 1 and 2, Township 18 South, Range 38 East. J. W. Neal and Tony Knott, Trustee of Joy Knott Trust, are the owners of water rights situated in the E/2 of Section 12, Township 18 South, Range 38 East.
3. That protestants object to the lack of surveillance and supervision to assure that packers are not removed and such surveillance should be furnished on a monthly basis and periodic logs should be run to assure there are no leaks in the casing or in the cement whereby produced water by channeling or otherwise

reaches the fresh waters in the Ogalla formation and if the permit is issued, and without adequate security being afforded the water rights of the adjacent proeprty, irreparable harm will occur to the fresh water used for irrigation and domestic purposes.

4. The water permits have substantial value and as such are entitled to very severe engineering standards to protect the fresh water in the Ogalla zone.

5. That the prevailing movement of the fresh water is to the Southeast whereby in the event any channeling at the well base could seriously endanger the fresh water of protestants as the fresh water moves predominately to the Southeast from the propsoed location made by applicant.

WHEREFORE, protestants move that a hearing be set and adequate protection be given for the fresh water and that the operator be required to make, on oath with independent testing, reports showing that no leaks are occurring in the well.



J. W. NEAL, OF NEAL & NEAL
Post Office Box 278
Hobbs, New Mexico 88241
505-397-3614

(Attorney for A. H. Hughes, J. W. Neal, and Tony Knott, Trustee of Joy Knott Trust)

ADVERTISEMENT

AVRA OIL COMPANY, whose address is P.O. Box 3193, Midland, Texas 79702, proposes to convert the following well to injection for the purpose of disposing produced water.

The well is the Forrest A No. 1, located at 330' FEL and 990' FNL in section 11 - T18S - R38E, Lea County New Mexico. The injection interval is known as the Bishop Canyon San Andres at a depth of approximately 4852' - 4908.' The maximum injection rate will be 2000 bbls/day with zero pressure. The maximum pressure will not exceed the limits as set forth by the Oil Conservation Division.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, within 15 days.

Inquires regarding this application should be directed to Avra Oil Company, P. O. Box 3193, Midland, Texas 79702, (915) 682 - 4866.

LEGAL

LEGAL NOTICE

December 1, 1991

ADVERTISEMENT

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SCHLUMBERGER WELL SURVEYING CORPORATION



WELL LOG

COUNTY LEA FIELD WILKAT LOCATION FOREST #1-A WELL COMPANY BISHOP CANYON URANIUM COMPANY	COMPANY	BISHOP CANYON URANIUM CO.	Other Surveys	MLL, LL
	WELL	# 1-A FOREST	Location of Well	990' From N/L 330' From E/L
	FIELD	WILKAT		
	LOCATION	SEC. 11-18S-3RE		
	COUNTY	LEA	Elevation: K.B. 3666.3 D.F. 3665.3 or G.L. 3651.7	
STATE	NEW MEXICO			

✓
2662'5
3112'

Log Depths Measured From		KB	14.6 Ft. above GL
RUN No.	1	2-24-58	
Date	5-10-6		
First Reading	0		
Last Reading	5107		
Feet Measured	347		
Csg. Schlum.	347		
Csg. Driller	3109		
Depth Reached	311		
Bottom Driller	SAL		
Mud Npt.	10	36	
Dens. Visc.	0.68	7.9	
Mud Resist.	0.49	10.6	
Res. BHT	5		
pH	16	CC 30 min	
Wtr. Loss	0.4	10.6	
Rmf	7 7/8		
Bit Size	3100-10		
Range	347 To 3100	To	To
Opn. Rig Time	4 HRS.		
Truck No.	2527-HOBBS		
Recorded By	WILSON		
Witness	TURNER		

REMARKS	VIC No.	VLS No.	VLP No.
		A-64	A-65
	GR	CAL	P-40-420-100-4C5
	Velocity (feet per second)	Interval Transit Time (microseconds per foot)	1,000,000

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West Texas Electrical Log Service

Dallas 2, Texas

REFERENCE **W8650E**
13 THE SUBSURFACE LIBRARY
COMPLETION RECORD
P.O. BOX 942
MIDLAND, TEXAS

SPUD DATE

COMP DATE

DST RECORD

